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Tue, 5 Jun 2007, 12:59:28 PM EST

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<u>#8</u>	((recovery <in>metadata) <and> (communication path failure<in>metadata) <and> (identifier location<in>metadata)	0
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Relevance sc

1 [Fast detection of communication patterns in distributed executions](#)

Thomas Kunz, Michiel F. H. Seuren

November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative re
CASCON '97****Publisher:** IBM PressFull text available: [pdf\(4.21 MB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams often used to obtain a better understanding of the execution of the application. The visualization tool we use is Pevent tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...

2 [The relational model for database management: version 2](#)

E. F. Codd

January 1990 Book

Publisher: Addison-Wesley Longman Publishing Co., Inc.Full text available: [pdf\(28.61 MB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)**From the Preface (See Front Matter for full Preface)**

An important adjunct to precision is a sound theoretical foundation. The relational model is solidly based on two mathematics: firstorder predicate logic and the theory of relations. This book, however, does not dwell on the theoretical foundations, but rather on all the features of the relational model that I now perceive as important for database systems and therefore for DBMS vendors. My perceptions result from 20 y ...

3 [Essays in computing science](#)

C. A. R. Hoare

January 1989 Book

Publisher: Prentice-Hall, Inc.Full text available: [pdf\(20.91 MB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [review](#)

Charles Antony Richard Hoare is one of the most productive and prolific computer scientists. This volume contains a selection of his published papers. There is a need, as in a Shakespearian Chorus, to offer some apology for what manifestly fails to achieve. It is not a complete 'collected works'. Selection between papers of this quality is not easy given the book's already considerable size, some difficult decisions as to what to omit have had to be made. Pity editor weighed ...


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Relevance

81 Management of a remote backup copy for disaster recovery
 Richard P. King, Nagui Halim, Hector Garcia-Molina, Christos A. Polyzois
May 1991 **ACM Transactions on Database Systems (TODS)**, Volume 16 Issue 2
Publisher: ACM PressFull text available: [pdf\(2.48 MB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

A remote backup database system tracks the state of a primary system, taking over transaction processing when it fails. The primary and backup sites are physically isolated so that failures at one site are unlikely to propagate to the other. For correctness, the execution schedule at the backup must be equivalent to that at the primary. When the primary and backup sites contain a single processor, it is easy to achieve this property. However, this is not always the case.

Keywords: database initialization, hot spare, hot standby, remote backup**82 Improving the reliability of commodity operating systems**
 Michael M. Swift, Brian N. Bershad, Henry M. Levy
October 2003 **ACM SIGOPS Operating Systems Review, Proceedings of the nineteenth ACM symposium on Operating systems principles SOSP '03**, Volume 37 Issue 5
Publisher: ACM PressFull text available: [pdf\(262.78 KB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Despite decades of research in extensible operating system technology, extensions such as device drivers remain a significant cause of system failures. In Windows XP, for example, drivers account for 85% of recently reported failures. This paper describes Nooks, a *reliability subsystem* that seeks to greatly enhance OS reliability by isolating the driver failures. The Nooks approach is practical: rather than guaranteeing complete fault tolerance through a new (incompatible) OS ...

Keywords: I/O, device drivers, protection, recovery, virtual memory**83 A scalable location service for geographic ad hoc routing**
 Jinyang Li, John Jannotti, Douglas S. J. De Couto, David R. Karger, Robert Morris
August 2000 **Proceedings of the 6th annual international conference on Mobile computing and networking MobiCom '00**
Publisher: ACM PressFull text available: [pdf\(1.28 MB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Interference Search
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Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1805	(714/4).ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/05 11:46
L2	870	(714/43).ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/05 11:46
L3	204	(714/44).ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/05 11:46
L4	188	(714/56).ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/05 11:47
L5	2215	(714/6).ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/05 12:20
L6	712	(714/11).ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/05 11:47
L7	323	(714/12).ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/05 11:47
L8	581	(714/13).ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/05 11:55
L9	7443	information adj handling adj system	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/05 11:55
L10	5485	L9	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/05 11:55
L11	655479	(monitor\$4 or track\$4 or check\$4) same (exchang\$3 or send\$3 or switch\$3 or rout\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/05 11:55
L12	504294	L11	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/05 11:55
L13	20420	recover\$4 same (fail\$4 or error\$4 or problem or fault\$4 or malfunction or defect\$3) same (path or channel or port)	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/05 11:55

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L14	41	identifier same location same (data adj exchange)	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/05 11:59
L15	123	(identifier or ID) same location same (data adj exchang\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/05 12:00
L16	0	15 and 1	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/05 12:00
L17	0	15 and 2	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/05 12:00
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L19	0	15 and 4	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/05 12:00
L20	0	15 and 5	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/05 12:00
L21	0	15 and 6	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/05 12:00
L22	0	15 and 7	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/05 12:00
L23	0	15 and 8	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/05 12:00
L24	0	("714"/\$).ccls. and 15	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/05 12:24
L25	0	11 and 13 and 9 and 15	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/05 12:24